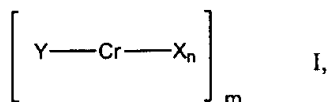
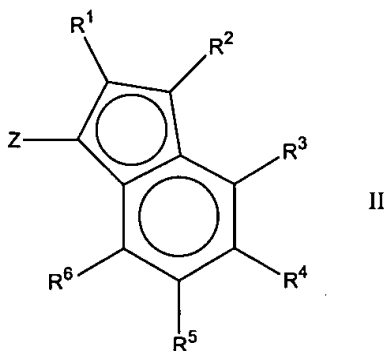


16. The copolymer as claimed in claim 1, wherein said polydispersity Mw/Mn is from 2 to 4.
17. The copolymer as claimed in claim 1, wherein said molecular weight Mn is above 200,000 g/mol.
18. A process for preparing ethylene copolymers as claimed in claim 1, which comprises carrying out the process in the presence of the following components:  
 (A) a substituted monoindenyl chromium complex or a substituted monofluorenylchromium complex of the formula I



wherein

Y has the following formula II



wherein

- Z is an unsubstituted, substituted or condensed heteroaromatic ring system,
- X independently of one another, are fluorine, chlorine, bromine, iodine, hydrogen, C<sub>1</sub>-C<sub>10</sub>-alkyl, C<sub>2</sub>-C<sub>10</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1-10 carbon atoms in the alkyl radical and from 6-20 carbon atoms in the aryl radical, NR<sup>7</sup>R<sup>8</sup>,

OR<sup>7</sup>, SR<sup>7</sup>, SO<sub>3</sub>R<sup>7</sup>, OC(O)R<sup>7</sup>, CN, SCN, β-diketonate, CO, BF<sub>4</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>, or bulky noncoordinating anions,

R<sup>1</sup>-R<sup>8</sup> independently of one another, are hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl radical and from 6-20 carbon atoms in the aryl radical, SiR<sup>9</sup><sub>3</sub>, wherein the organic radicals R<sup>1</sup>-R<sup>8</sup> optionally have halogen substitution and any two geminal or vicinal radicals R<sup>1</sup>-R<sup>8</sup> optionally have been bonded to give a 5- or 6-membered aromatic or aliphatic ring,

R<sup>9</sup> independently of one another, are hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl radical and from 6-20 carbon atoms in the aryl radical, or wherein the two geminal radicals R<sup>9</sup> have been bonded to give a five- or six-membered ring,

n is 1, 2 or 3, and

m is 1, 2 or 3,

and

optionally (B) one or more activator compounds.

19. The process as claimed in claim 18, wherein Z is an unsubstituted or substituted 8-(quinolyl) system and R<sup>1</sup>-R<sup>6</sup> are hydrogen.
20. The process as claimed in claim 18, wherein the activator compound (B) is used and is a compound selected from the group consisting of aluminoxane, dimethylanilinium tetrakis(pentafluorophenyl)borate, trityl tetrakis(pentafluorophenyl)borate and tris(pentafluorophenyl)borane.
21. A polymer mixture which comprises said at least one of the copolymer of ethylene with C<sub>3</sub>-C<sub>12</sub> α-olefins as claimed in claim 1.
22. A fiber, a film or a molding which comprises the copolymer of ethylene with C<sub>3</sub>-C<sub>12</sub> α-olefins as claimed in claim 1.

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23. The copolymer as claimed in claim 13, wherein said comonomer composition distribution breadth index is above 90%.
  24. The copolymer as claimed in claim 23, wherein said  $\alpha$ -olefins are selected from the group consisting of propene, 1-butene, 1-hexene and 1-octene.
  25. The copolymer as claimed in claim 24, wherein said polydispersity Mw/Mn is from 2 to 4.
  26. The copolymer as claimed in claim 25, wherein said molecular weight Mn is above 200,000 g/mol.
  27. The process as claimed in claim 19, wherein the activator compound (B) is used and is a compound selected from the group consisting of aluminoxane, dimethylanilinium tetrakis(pentafluorophenyl)borate, trityl tetrakis(pentafluorophenyl)borate and tris(pentafluorophenyl)borane. - -
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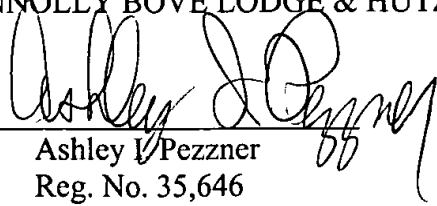
**REMARKS**

The applicants respectfully request that the preliminary amendment be entered prior to fee calculation and examination. The applicants have rewritten the claims in the proper U.S. form. Claims 1 and 13-27 are now in this case. No additional fee is due. If there are any additional fees due in connection with the filing of this response, the Commissioner is authorized to charge or credit any overpayment to Deposit Account No. 03-2775.

A prompt and favorable action is solicited.

Respectfully submitted,  
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